English

XYZPRINTING

# da Vinci mini w+

## Quick Guide


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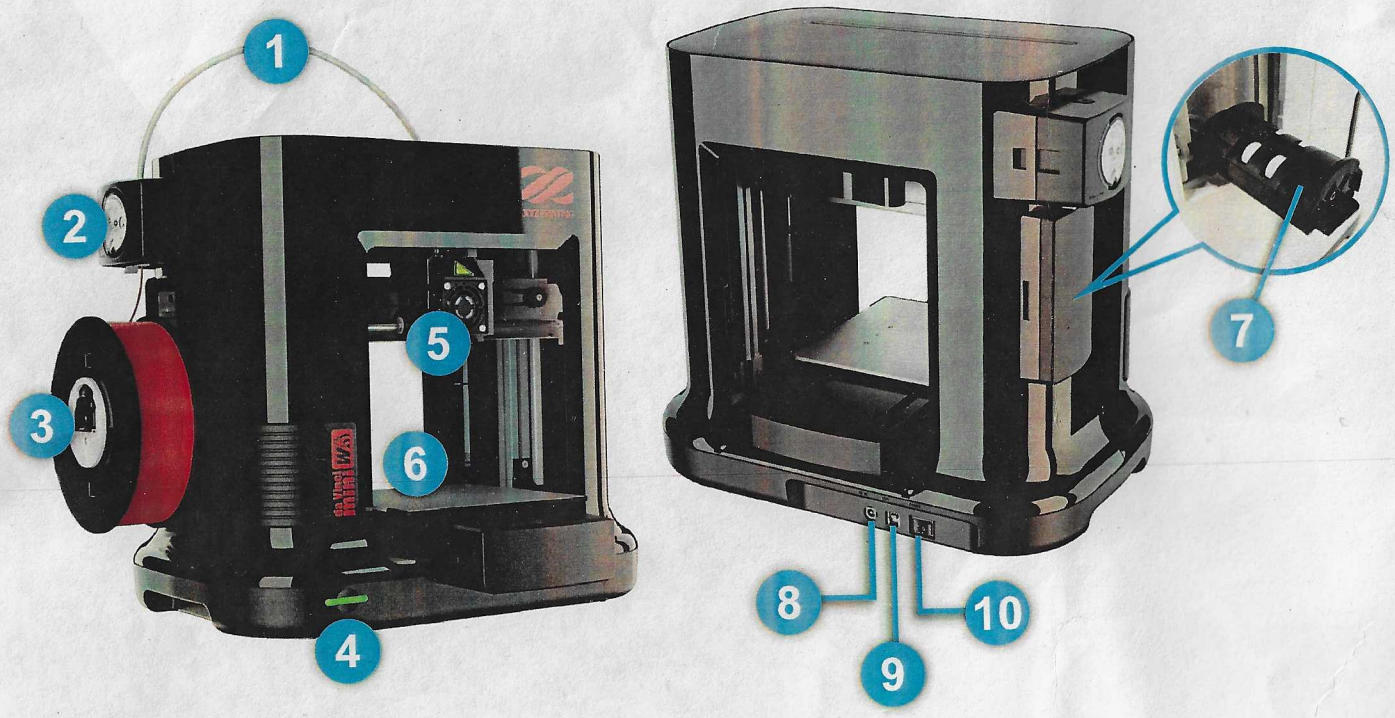
HD23FM3W377




## Product Overview

1. Guide tube
2. Feed module
3. Filament
4. Function button / status indicator
5. Extruder module
6. Print bed
7. Filament holder
8. Power connector
9. USB port
10. Power switch

## Specification

| | |
|---|---|
| Dimensions | 400 x 336 x 362 mm |
| Weight | 8 KG |
| Print Technology | Fuse Filament Fabrication (FFF) |
| Print Material | PLA / Antibacterial PLA / Tough PLA/ PETG |
| Filament Diameter | 1.75 mm |
| Nozzle Diameter | 0.4 mm |
| Print Dimension | 150 x 150 x 150 mm |
| Print Resolution | 0.1/0.2/0.3/0.4mm |
| Connectivity | USB 2.0/ WiFi |
| Print Software | XYZprint |
| File Format | .stl , XYZ Format (.3w, .nkg), .3mf |

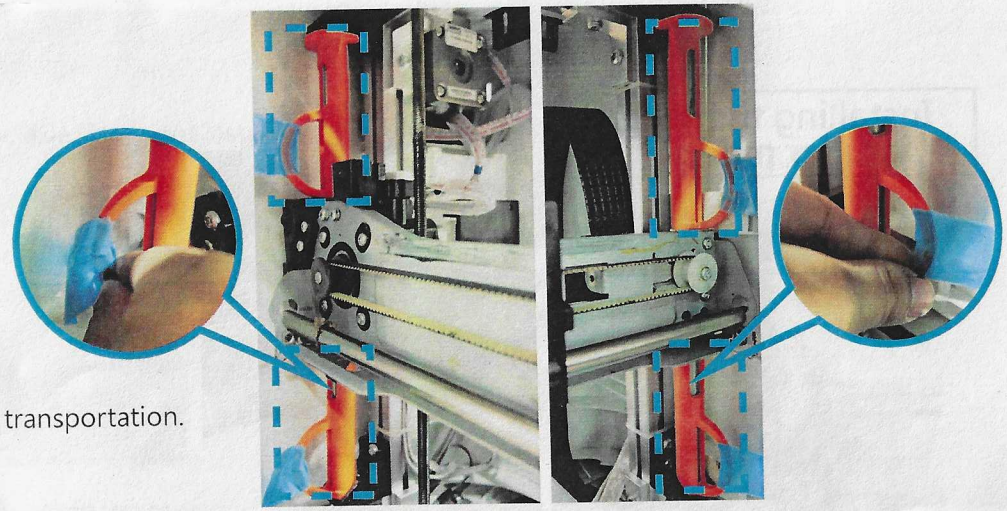
## Button and Indicator light

| Indicator signals | Status | Action |
|---|---|---|
| Solid green | Standby/Ready to print | - |
| Flashing green | Receiving data | - |
| Solid red | General error | Press the button to return to printing status, refer to instructions in software to fix the issue. |
| Flashing red | Critical error | Refer to instructions in the software to solve the issue or reboot the Mini. |
| Solid orange | Printing | To pause the print, press the button once. To cancel the print, press and hold the button for 5 seconds. |
| Flashing orange | Paused | To resume the print, press the button once. |
| Pulsing orange | Job complete (printing complete / printing cancellation complete) | To return to Ready to print, press the button once. |

If the printer encounters issues, please refer to the XYZprint screen troubleshooting instruction to fix the issues.

# Unpacking

- Before using this printer, remove all fixed materials from the extruder module and print bed. Switching on the printer without removing these fixed materials may damage the machine.
- Be sure to remove the 4 clips from the shafts as illustrated on the right.



## Notes

Keep original packaging materials in case you need to send your unit back for repair during the warranty period.
If other packing materials are used instead, the printer may become damaged during transportation.
In such a situation, XYZprinting reserves the right to charge a repair fee.

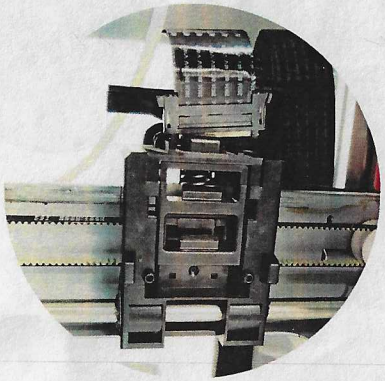
# Accessory Checklist

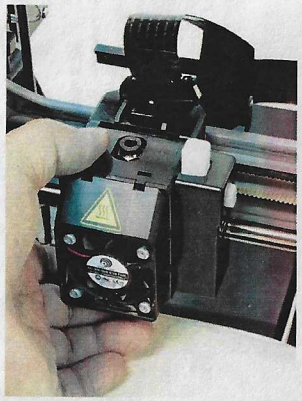
| | | | | |
|---|---|---|---|---|
| 1. Quick Guide, Warranty Card | 2. Power Adapter | 3. Power Cord | 4. USB Wire | 5. Extruder Module |
| 6. Scraper | 7. Guide Tube | 8. Bundled Filament | 9. Filament Spool Ring (installed on the filament spool) | 10. Bed Tape X 3pcs ( Only replace the reusable tape when it is worn. ) |
| 11. Cleaning Brush | 12. Feeding Path Cleaning Wire | 13. Cleaning Wire x 5 | 14. Leveling tool | |

# Important Safety Notes

- Do not use the printer in dusty high humidity or outdoor environments.
- Place the printer on a stable and even surface to avoid it falling and causing serious injury.
- Do not put your hand into the machine during operation to avoid collision risk due to movement of the machine or to avoid burn due to high temperature.

## Installing the Extruder module

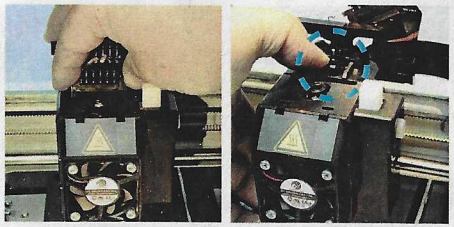


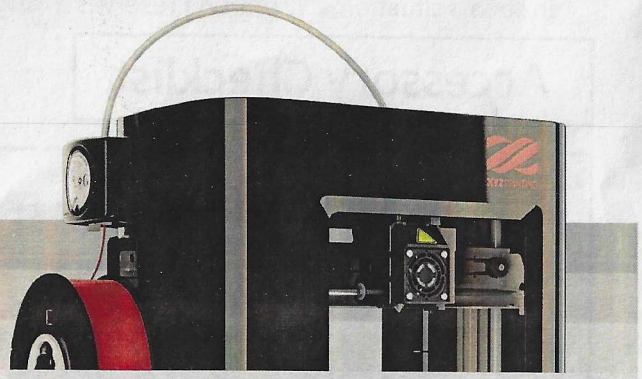


1. Make sure that the printer is powered off. Place the extruder module that the fitting pin is secured the proper location.

2. Insert the black ribbon connector to complete the installation.

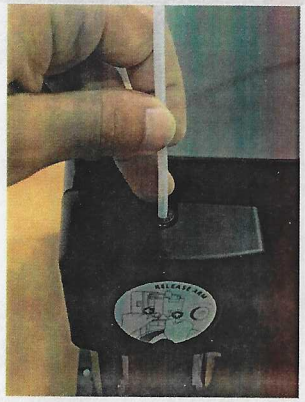
NOTE: To unload the extruder module, first detach the heating bus and press the black disengage button.



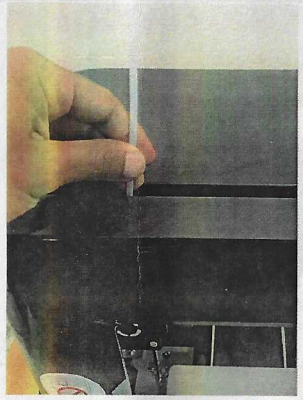


## Installing the Accessories

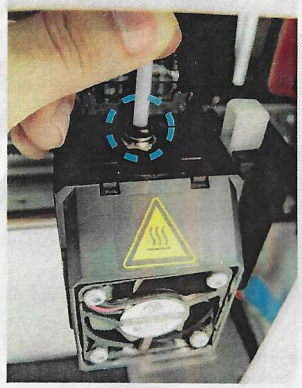
### 1. Install the guide tube



1. Ensure that the guide tube has been tightly inserted into the port.



2. Feed the guide tube through the slot at the top of the printer to the extruder module.



3. Ensure that the guide tube is properly inserted into the feed port of the extruder module to complete the installation.

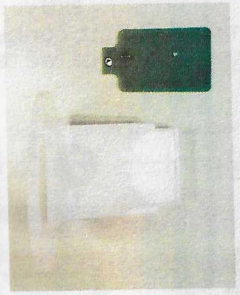
## 2.Installing the Filament spool ring

(please refer to this step if the axle ring is not installed on the spool)

1 Use a phillips screwdriver to loosen the securing screws of the filament spool ring.

2 Separate the spool ring from both sides of the spool.

3 Retrieve the filament spool and chip.

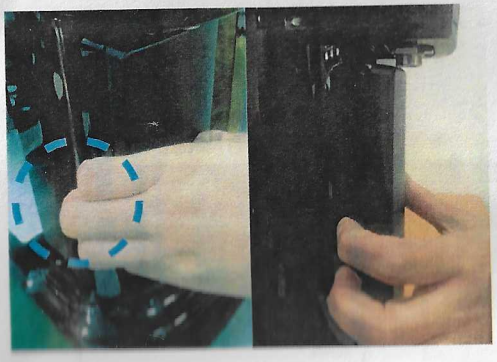


4 Install the sensor chip. Note the orientation of the sensor chip on the spool ring.

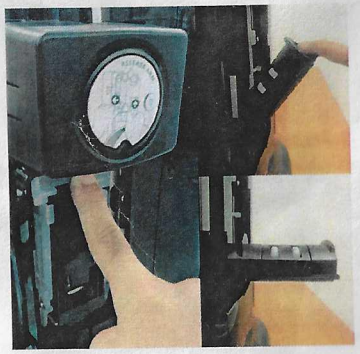
5 Feed both parts of the spool ring through the center hole of the spool and assemble them together.

6 Use a phillips screwdriver to tighten and secure the spool ring to complete the installation.

## 3.Installing the filament



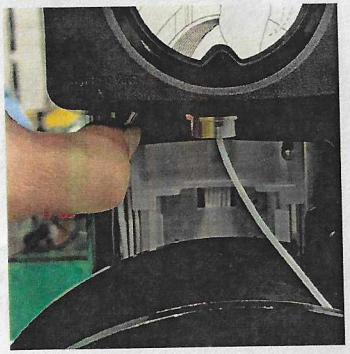
1 Remove the side cover by pressing down firmly at the center on the left side of the cover and pushing aside the cover. (pay attention to where you apply your force to ensure proper dismantling) Keep the side cover securely for future use.



2 Lower the filament spool holder on the left side of the printer until horizontal.

3 Place the assembled filament spool (with the spool ring) on the spool holder.

4 Take the tip of the filament and insert it into the feeding hole.

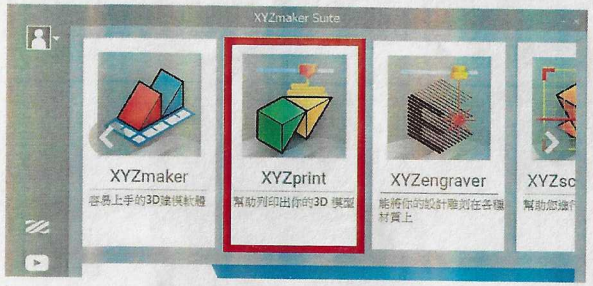


5 Press the release arm and push the filament all the way to the bottom so that the front end of the filament is completely inserted into the extruder module.

Handy tips

- The filament will load better when the tip of the filament is cut at a 45° angle.
- When the printer is not in use, raise the filament spool holder and close the side cover.

# XYZprint operation




After completing the hardware installation, download **XYZmaker Suite** from the XYZprinting official website and install it on your computer. You may use "XYZprint" from the XYZmaker Suite to load filament.

Before launching XYZprint, connect the printer to your computer using the supplied USB cable and turn it on. For an optimal user experience, we recommend following the instructions below:

1 Open XYZprint

2 Confirm that the printer is connected

3 Click "File" on the TOOL BAR to select the sample file to be printed.

# Print

## Handy tips

Registration via **XYZprint** before your first print is strongly recommended. When registered with XYZprinting, you will receive latest technical supports and updates. To register, simply click "Register Now".

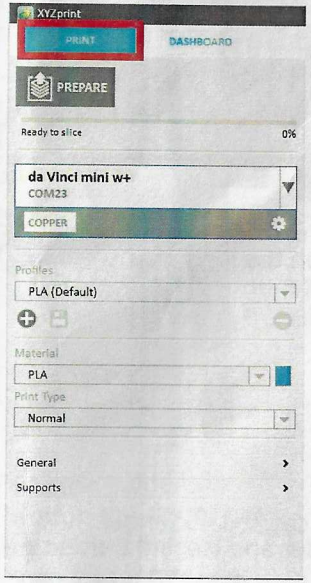
Before you start printing, please attach the bed tape to the print bed. The print bed tape is reusable, and can be replaced worn.

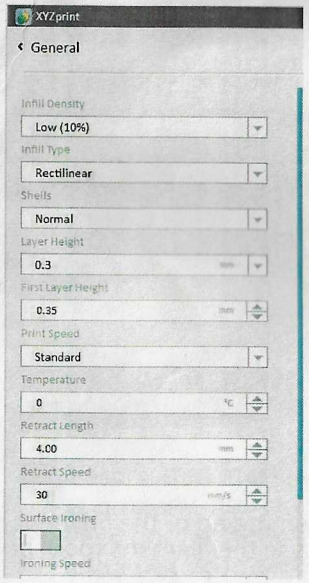
If the room you are printing in is below 25 °C/ 77 °F, for greater adhesion, apply glue to the bed tape.

After printing has started, check if the first layer is stuck to the print bed. Good base layer is one of the keys to successful printing.

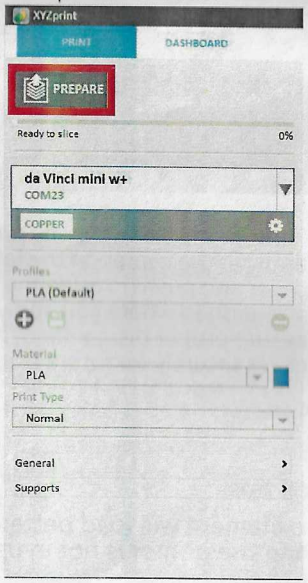
4 Load filament

5 Print Setting



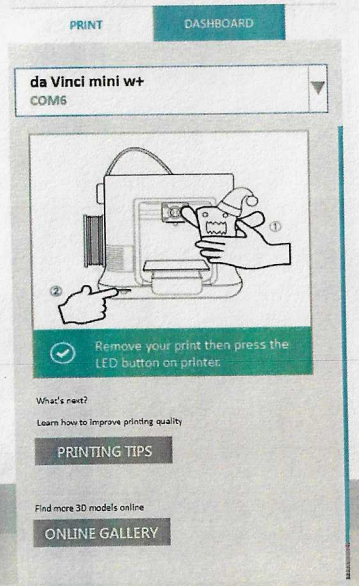

6 Click "Print Prepare" to perform slice.



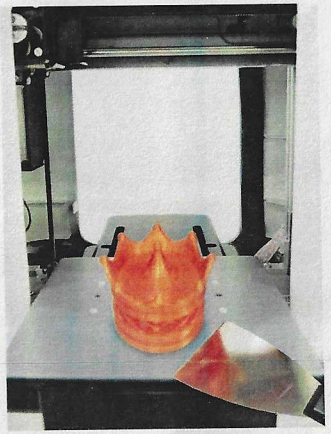
7 Print

8 The printing status, including the printing progress, elapsed time, and remaining time, will be shown while printing. You can pause or cancel the printing task in this window.

9 When done, "Printing Complete" will be shown on screen.



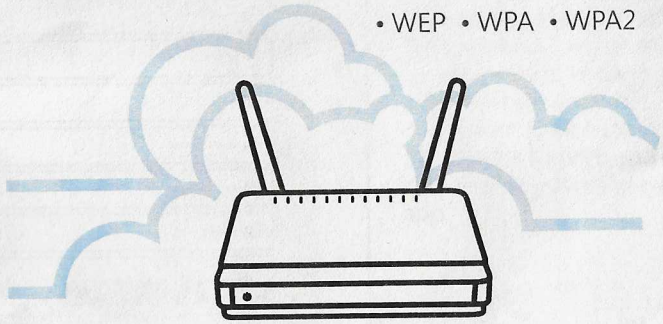

10 After the print has finished, use a scraper to remove the printed object.



# Wi-Fi setup

## ●Pre-setup

1. The network printing function is only available when the printer and the computer are both connected to the same wireless network.
2. Before connecting the printer, your wireless network settings need to be adjusted. For more information, refer to the instruction manual of your wireless router.
3. The wireless network's channel width needs to be set to 20 MHz for the printer to connect to it wirelessly. Refer to the vendor instruction manual for more information.
4. The Mini supports WEP, WPA, and WPA2 security encryption standards. Wireless pass word information will be requested when setting up the printer connection.



# ●Setting up Wi-Fi

1. Connect the printer to your computer with the USB cable, and open "XYZprint".

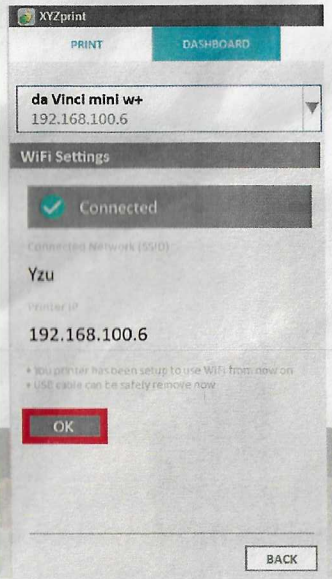
2. After the printer operation function window opens, select "Dashboard"> "Setup">, click on "Wireless " to enter the wireless network setup screen.

3. click "TURN WIFI BACK ON"

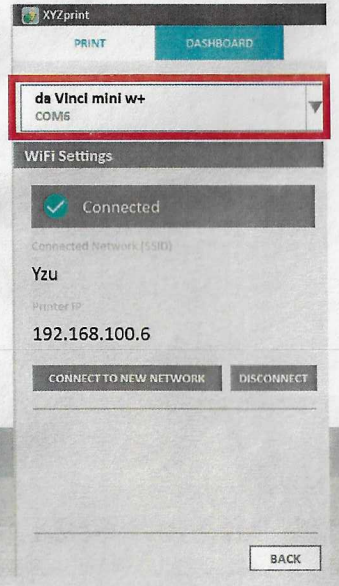
4. Please select a wireless network name that you want to connect to and click twice.

5. Then enter the password and click on "Connection" to wait for the connection.

6 After the screen shows completing WiFi setup, click "Confirm."




7 Then connect the printing machine name above to the COM port, pull down the menu to the same new connection wireless network, click "Back".



8 Once the connection method has been changed from USB to Wi-Fi, you can unplug the USB cable and continue with the printing process.

Note:

- Name the printer and wireless network with the alphanumeric characters only.
- If no connection is detected within 90 seconds, the printer will time-out. If this is the case, check that the configuration process is correct and try again.
- Confirm your wireless network's security key on the router's wireless settings page.
- The recommended wireless connection distance between your printer and the wireless networking device needs to be within 10 meters. The connection quality, will depend on the power of your networking device, and the environment you are connecting the two devices in. For more information, please refer to your networking device's instruction manual.

## Application

GET IT ON Google play

Download on the App Store

### XYZgallery 2.0

XYZgallery 2.0 is an app to let you share, manage, download and print 3D models. Thousands of different models were uploaded by our active community of designers and makers. Use the app to select your model and send it to any XYZprinting printer which connected to your wireless network as easy as pie.

GET IT ON Google play

Download on the App Store

### XYZmaker 3DKit

XYZmaker 3DKit comes with an intuitive user interface and a wide variety of professional 3D modeling tools. Even beginners will find it easy to use. New 3D tools let you explore more possibilities in 3D modeling – whether you' re working on 3D pixel art, making edits, or building a model from scratch.
XYZmaker 3DKit supports XYZprinting 3D printers to print and monitor printer status to let you create and print in one app.